AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

1. (Withdrawn) A method of quoting an insurance product, the method comprising:

defining an actuary-manipulable representation of a rating model, the actuary-
manipulable representation including variables, factor tables and calculation
sequences of the rating model;

from the actuary-manipulable representation, preparing an executable representation
thereof; and

executing the executable representation to calculate a quote for the insurance product.

2. (Withdrawn) The method of claim 1, wherein the rating model defining includes:

defining the variables;

defining the factor tables with one or more axes bound to respective ones of the variables;
and

defining the calculation sequences in terms of steps operative on values of the variables
and cells of the factor tables.

3. (Previously Presented) The method of claim 24,

wherein the rating model defining is performed in accordance with a predefined
document type definition.

4. (Previously Presented) The method of claim 24,

wherein the transforming to the executable representation includes compilation of the
actuary-manipulable representation to a platform independent executable form.

5. (Previously Presented) The method of claim 24, wherein the executable
representation includes:

predefined input and output interfaces;

a runtime lookup facility for identification of runtime identifiers in the executable
representation corresponding to ones of the variables; and

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a calculate method of the compiled rating model executable to generate the quote based on inputs supplied via the input interface.

6. (Original) The method of claim 5, further comprising:

employing the runtime lookup facility to identify particular runtime identifiers corresponding to particular variables;

setting values for the particular variables using the corresponding runtime identifiers and the predefined input interface; and

retrieving the quote via the predefined output interface.

7. (Previously Presented) The method of claim 24,

wherein the actuary-manipulable representation includes markup language encoded metadata.

8. (Previously Presented) The method of claim 24,

wherein the actuary-manipulable representation is XML encoded.

9. (Previously Presented) The method of claim 24,

wherein the actuary-manipulable representation includes a graphical user interface presentation of the variables, factor tables and computational flows of the rating model based on markup language encoded metadata.

10. (Original) A method of preparing an executable representation of a rating model, the method comprising:

defining an actuary-manipulable representation of a rating model, the actuary-manipulable representation including variables, factor tables and calculation sequences of the rating model, the factor tables having one or more axes bound to respective ones of the variables and the calculation sequences defined in terms of steps operative on values of the variables and cells of the factor tables;

transforming the actuary-manipulable representation to the executable representation, the executable representation including a runtime lookup facility for identification of runtime identifiers in the executable representation corresponding to ones of the

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variables and a calculate method executable to generate a quote based on inputs supplied via a predefined input interface.

11. (Original) The method of claim 10, wherein, for a particular calculation sequence of the actuary-manipulable representation, the transforming includes:

decomposing the particular calculation sequence into layers, each layer including those steps thereof that are at a same flow control level;

for each layer, traversing the steps thereof to identify those of the variables used by the layer;

for each layer, traversing the calculation sequence to identify the steps of the layer targeted by other steps of the calculation sequence and emitting code allocating storage for results of the targeted steps; and

for each layer, emitting code for variable test and index calculations of the layer.

12. (Original) The method of claim 10, wherein the transforming includes:

emitting, for a particular calculation sequence, both logged and non-logged versions of the executable representation.

13. (Original) The method of claim 10,

wherein the transforming includes a two-step compilation,

a first step thereof producing a platform independent source form from the actuary-manipulable representation, and

a second step thereof producing the executable representation from the platform independent source form.

14. (Original) The method of claim 10,

wherein the runtime lookup facility of the executable representation includes a predefined interface for obtaining the runtime identifiers corresponding to respective ones of the variables and factor tables of the rating model; and

wherein the runtime identifiers allow client code to set and access runtime storage corresponding to respective ones of the variables and factor tables.

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15. (Original) The method of claim 14,

wherein the client code is part of a networked information service; and

wherein the executable representation of the rating model is employed to prepare a quote for presentation by the networked information service.

16. (Withdrawn) A rating model definition environment comprising:

a graphical user interface for definition of a markup language encoded representation of variables, factor tables and computational flows of a rating model;

the graphical user interface allowing a user thereof to bind one or more axes of individual factor tables to respective ones of the variables;

the graphical user interface further allowing the user thereof to define calculation sequences in terms of steps operative on values of the variables and cells of the factor tables; and

a compiler for transformation the markup language encoded representation of the rating model into an executable form thereof.

17. (Withdrawn) The rating model definition environment of claim 16,

wherein the compiler emits lookup methods for runtime identification of identifiers corresponding to variables.

18. (Withdrawn) The rating model definition environment of claim 16,

wherein the markup language encoded representation includes XML encoded metadata;

wherein the compiler emits Java source; and

wherein the transformation includes further compilation of the Java source.

19. (Original) A computer program product comprising:

a compiled rating model corresponding to a calculation base including variables, factor tables and calculation sequences thereof, wherein one or more axes of the factor tables are bound to respective ones of the variables, and wherein the calculation sequences are defined in terms of steps operative on values of the variables and cells of the factor tables;

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a lookup facility to identify runtime identifiers corresponding to runtime instances of the
variables;

an input interface including access methods for setting values for the runtime instances of
the variables using the corresponding runtime identifiers; and

a calculate method of the compiled rating model executable to generate result of the
calculation sequences based on the set values.

20. (Original) The computer program product of claim 19,

wherein the runtime identifiers allow client code to employ the compiled rating model
without knowledge of internals thereof.

21. (Original) The computer program product of claim 20,

wherein the client code is a component of a networked information service; and

wherein the networked information service sets values for the runtime instances of the
variables and invokes the calculate method of the compiled rating model to
generate a quote based thereon.

22. (Cancelled).

23. (Cancelled).

24. (Previously Presented) The method of claim 10, further comprising:

executing the executable representation to calculate a quote for an insurance product.